

PTO/SB/21 (02-04)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/773,796	
	Filing Date	February 6, 2004	
	First Named Inventor	Veerasamy, Vijayen	
	Art Unit	1773	
	Examiner Name	Unassigned	
Total Number of Pages in This Submission	7	Attorney Docket Number	014089-002580US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Townsend and Townsend and Crew LLP	
	Nena Bains Reg. No. 47,400	
Signature		
Date	July 14, 2004	

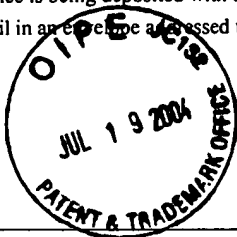
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Signature		Date July 14, 2004

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7/14/04



PATENT
Attorney Docket No.: 014089-002580US

TOWNSEND and TOWNSEND and CREW LLP

By:

London Clark

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

VEERASAMY, VIJAYEN, et al.

Application No.: 10/773,796

Filed: February 6, 2004

For: RECORDING MEDIA HAVING
PROTECTIVE OVERCOATS OF
HIGHLY TETRAHEDRAL
AMORPHOUS CARBON AND
METHODS FOR THEIR PRODUCTION

Examiner: Unassigned

Art Unit: 1773

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 14, 2004

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 10/354,336, filed January 29, 2003 and issued as US Patent No. 6,740,384 on May 24, 2004 (Attorney Docket No. 014089-002560US). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

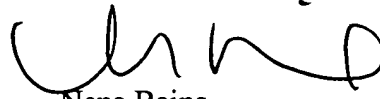
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

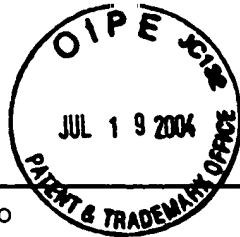
However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Nena Bains', written in a cursive style.

Nena Bains
Reg. No. 47,400

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
NB/lc
60260100 v1



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	4	Application Number	10/773,796
				Filing Date	February 6, 2004
				First Named Inventor	Veerasamy, Vijayen
				Art Unit	1773
				Examiner Name	Unassigned
				Attorney Docket Number	014089-002580US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	0001	US-4,123,316	10-31-1978	Tsuchimoto	
	0002	US-4,226,666	10-07-1980	Winters et al.	
	0003	US-4,749,608	06-07-1988	Nakayama et al.	
	0004	US-4,822,466	04-18-1989	Rabalais et al.	
	0005	US-5,017,835	05-21-1991	Oechsner	
	0006	US-5,064,809	11-12-1991	Hed	
	0007	US-5,082,359	01-21-1992	Kirkpatrick	
	0008	US-5,082,522	01-21-1992	Purdes et al.	
	0009	US-5,091,049	02-25-1992	Campbell et al.	
	0010	US-5,126,206	06-30-1992	Garg et al.	
	0011	US-5,156,703	10-20-1992	Oechsner	
	0012	US-5,182,132	01-26-1993	Murai et al.	
	0013	US-5,186,973	02-16-1993	Garg et al.	
	0014	US-5,246,884	09-21-1993	Jaso et al.	
	0015	US-5,364,690	11-15-1994	Takahashi et al.	
	0016	US-5,374,318	12-20-1994	Rabalais et al.	
	0017	US-5,411,797	05-02-1995	Davanloo et al.	
	0018	US-5,423,915	06-13-1995	Murata et al.	
	0019	US-5,462,784	10-31-1995	Grill et al.	
	0020	US-5,466,431	11-14-1995	Dorfman et al.	
	0021	US-5,470,661	11-28-1995	Bailey et al.	
	0022	US-5,559,367	09-24-1996	Cohen et al.	
	0023	US-5,569,501	10-29-1996	Bailey et al.	
	0024	US-5,607,783	03-04-1997	Onodera	
	0025	US-5,616,179	04-01-1997	Baldwin et al.	
	0026	US-5,637,393	06-10-1997	Ueda et al.	
	0027	US-5,705,272	01-06-1998	Taniguchi	
	0028	US-5,852,303	12-22-1998	Cuomo et al.	
	0029	US-5,945,191	08-31-1999	Hwang et al.	
	0030	US-6,064,148	05-16-2000	Tolt et al.	
	0031	US-6,194,047	02-27-2001	Hayashi	

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				Art Unit	1773
Examiner Name	Unassigned				
Sheet	2	of	4	Attorney Docket Number	014089-002580US

FOREIGN PATENT DOCUMENTS								
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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	0032	EP	0 552 491	A1	07-28-1993	Collins et al.		<input type="checkbox"/>
	0033	EP	0 595 564	A2	05-04-1994	Takai et al.		<input type="checkbox"/>
	0034	EP	0 700 033	A2	03-06-1996	Gray		<input type="checkbox"/>
	0035	JP	2-168540	A	06-28-1990	Oda		<input type="checkbox"/>
	0036	JP	5-143971	A	06-11-1993	Okumura et al.		<input type="checkbox"/>
	0037	JP	6-139560	A	05-20-1994	Miyazaki		<input type="checkbox"/>
	0038	JP	6-349054	A	12-22-1994	Onodera		<input type="checkbox"/>
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				Application Number	10/773,796
				Filing Date	February 6, 2004
				First Named Inventor	Veerasamy, Vijayen
				Art Unit	1773
				Examiner Name	Unassigned
Sheet	3	of	4	Attorney Docket Number	014089-002580US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	0039	Aisenberg, S. et al.; "Ion-Beam Deposition of Thin Films of Diamondlike Carbon;" <u>J. Appl. Phys.</u> ; June 1971; pp. 2953-2958; vol. 42; No. 7.	
	0040	Boxman, R.L. et al.; "Recent Progress in Filtered Vacuum Arc Deposition;" <u>Paper submitted, Int. Conf. Metallurgical Coatings and Thin Films</u> ; April 1996; San Diego.	
	0041	Chhowalla, M. et al.; "Deposition of Smooth Tetrahedral Amorphous Carbon Thin Films Using a Cathodic Arc Without a Macroparticle Filter;" <u>Appl. Phys. Lett.</u> ; 1995; pp. 894-896; vol. 67; No. 7.	
	0042	Chhowalla, M. et al.; "Stationary Carbon Cathodic Arc: Plasma and Film Characterization;" <u>J. Appl. Phys.</u> ; 1996; pp. 2237-2244; vol. 79; No. 5.	
	0043	Dissertation by Dieter Martin, 1995.	
	0044	Dissertation by Manfred Weiler, 1994.	
	0045	Dissertation by Vijayen S. Veerasamy, 1994.	
	0046	Grill, A. et al.; "Diamondlike Carbon Deposited by DC PACVD;" <u>Diamond Films and Techn.</u> ; 1992; pp. 219-233; vol. 1, No. 4.	
	0047	Grill, A., et al.; "Diamondlike Carbon Films by rf Plasma-Assisted Chemical Vapor Deposition from Acetylene;" <u>IMB J. Res. Develop.</u> ; November 1990; pp.849-857; vol. 34; No. 6.	
	0048	Kuhn, M. et al.; "Deposition of Carbon Films By A Filtered Cathodic Arc;" <u>Diamond and Related Materials</u> ; August 1993; pp.1350-1354; vol. 2; No. 10.	
	0049	Oechsner, H. et al.; "An RF Plasma Beam Source for Thin Film and Surface Technology;" <u>Proc. 1st Int. Conf. on Plasma Surface Engineering, Garmisch Partenkirchen, 1988</u> ; 1989; pp. 1017-1024; vol. 11; DGM Informationen Gesellschaft, Obvuroel.	
	0050	Oechsner, H.; "Electron Cyclotron Wave Resonances and Power Absorption Effects in Electrodeless Low Pressure H.F. Plasmas with a Superimposed Static Magnetic Field;" <u>Plasma Physics</u> ; 1974; pp. 835-844; vol. 16.	
	0051	Park, K.C. et al.; "Enhancement of Field-Emission Characteristics by Using Hydrogen-Free Diamond-Like Carbon Film Deposited by Plasma-Enhanced Chemical Vapor Deposition;" <u>SID 96 Digest</u> ; 1996; pp. 49-52.	
	0052	Pfeiffer, B.; "Skin Effect in Anisotropic Plasmas and Resonance Excitation of Electron-Cyclotron Waves. I. Theory;" <u>Journal of Applied Physics</u> ; 1966; pp. 1624-1627; vol. 37; No. 4.	
	0053	PR Newswire. CeBIT Showcase for Major Advance in Magnetic Disk Storage Capacity; Feb. 2000; Hanover, Germany; website: http://www.pnewswire.com ; (Feb. 19, 2000).	
	0054	Sager, O.; "The Influence of Nonuniform Density Distribution and Electron Temperature on the Helicon-Resonances in Low Pressure Discharges;" 1971.	

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Sheet	4	of	4	Attorney Docket Number	014089-002580US

NON PATENT LITERATURE DOCUMENTS			
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	0055	Szuszczewicz, Edward P.; "Spatial Distributions of Plasma Density in a High-Frequency Discharge with a Superimposed Static Magnetic Field;" <u>The Physics of Fluids</u> ; 1972; pp. 2240-2246; vol. 15; No. 12.	
	0056	Thesis by Armin Fuchs, 1987.	
	0057	Thesis by Franz Schon, 1968.	
	0058	Thesis by Manfred Weiler, 1989.	
	0059	Veerasamy, V.S. et al.; "Electronic Density of States in Highly Tetrahedral Amorphous Carbon;" <u>Solid-State Electronics</u> ; 1994; pp. 319-326; vol. 37; No. 2.	
	0060	Weiler, M. et al.; "Highly Tetrahedral, Diamond-like Amorphous Hydrogenated Carbon Prepared from a Plasma Beam Source;" <u>Appl. Phys. Lett.</u> ; 1994; pp. 2797-2799; vol. 64; No. 23;.	
	0061	Weiler, M. et al.; "Preparation and Properties of Highly Tetrahedral Hydrogenated Amorphous Carbon;" <u>Physical Review B</u> ; 1996; pp. 1594-1608; vol. 53; No. 3.	
	0062	Weiler, M. et al.; "Structure of Amorphous Hydrogenated Carbon: Experiment and Computer Simulation;" <u>Diamond and Related Materials</u> ; 1994; pp. 245-253; vol. 3.	

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